Beam Power Tube

9-PIN MINIATURE TYPE For High-Fidelity Audio-Amplifier Applications

GENERAL DATA

Electrical:		
Heater, for Unipotential Cathode: Voltage (AC or DC) Current at 6.3 volts Direct Interelectrode Capacitances:	6.3 ± 10% 0.45	volts amp
Grid No.1 to plate	0.4 max.	μμf
grid No.2, and heater	9	$\mu\mu$ f
grid No. 2, and heater	6	μμf
Characteristics, Class A ₁ Amplifier:		
Plate Voltage	250 -15 73000	volts volts volts ohms µmhos ma ma
Mechanical:		
Operating Position	ip) 2-7/16" ±0.750" to (See General Se	3/32" 3/32" 0.875" ection [6-1/2 .E9-1)
	Pin 6-Grid No Pin 7-Grid No Cathoo	.3,

PUSH-PULL AF POWER AMPLIFIER - Class ABI

Marking Harrings and position	11-2-1	 	 •			
PLATE VOLTAGE				440	max.	volts
GRID-No. 2 (SCREEN-GRID)				330	max.	volts
				🕳 Indi	cates a	change.

Pin 3-Grid No.1 Pin 4-Heater

Pin 5-Heater

Pin 8-Grid No.2 Pin 9-Plate

Mayimum Ratings, Design-Marimum Values:

GRID-No.2 INPUT 2 max PLATE DISSIPATION	watts volts volts						
Typical Operation with Fixed Bias:							
Values are for 2 tubes							
Plate Voltage. 250 350 40 Grid-No.2 Voltage. 250 280 25 Grid-No.1 (Control-Grid) Voltage. -15 -22 -2 Peak AF Grid-No.1-to-Grid-No.1							
Zero-Signal Plate Current 92 58 5	.7 ma						
Total Harmonic Distortion 2 1.5	2 % 24 watts						
Typical Operation with Cathode Bias:							
Values are for 2 tubes							
Plate Supply Voltage 300 310 Grid-No.2 Supply Voltage 300 310 Cathode Resistor 230 270 Peak AF Grid-No.1-to-Grid-No.1 Voltage 48 55 Zero-Signal Plate Current 80 77 MaxSignal Plate Current 96 92 Zero-Signal Grid-No.2 Current 6 5 MaxSignal Grid-No.2 Current 14 14 Effective Load Resistance (Plate 14 14	volts ohms volts ma ma ma						
to plate)	%						
Maximum Circuit Values:							
Grid-No.1-Circuit Resistance: For fixed-bias operation 0.5 max. For cathode-bias operation 1 max.							
PUSH-PULL AF POWER AMPLIFIER - Class AB							
Grid No.2 of each tube connected to tap on plate winding of output transformer							
- Maximum Ratings, Design-Haximum Values: PLATE AND GRID-No.2 (SCREEN-GRID) SUPPLY VOLTAGE 410 max.	volts						

- Indicates a change.

